Surface Water Treatment Rule

System Type - SW and GUI unfiltered systems with multiple disinfectants

System Name:	
PWSID#:	
Reporting period:	

Signature: _____Date:_____

System Information

Treatment plant/pump station:

Disinfectant Residual in the system

a =		# of samples w/Cl_2 residual
b =		# of samples where Cl_2 is not meas. but HPC's are
c =		# of samples with Cl_2 not detected & no HPC
d =		# of samples with Cl_2 not detected & HPC > 500/mL
e =		# of samples where Cl_2 is not meas. & HPC > 500/mL

$$V = \frac{(c+d+e)}{(a+b)} \times 100$$

current month V =

V for previous month =

Is V > 5% for 2 months? ☐ No   ☐ Yes

Disinfectant Residual at the entrance to the system

Date	Daily min. mg/L	Date	Daily min. mg/L	Date	Daily min. mg/L
1		12		23	
2		13		24	
3		14		25	
4		15		26	
5		16		27	
6		17		28	
7		18		29	
8		19		30	
9		20		31	
10		21			
11		22			

Are any entrance values < 0.2 mg/L? ☐ No   ☐ Yes

If yes, list dates and the duration the level was < 0.2mg/L

Date	Duration (hrs)	Date reported

Source Water Coliform

Cumulative number of months results reported:	
Coliform sampling type:	☐ fecal ☐ Total
Number of coliform samples taken in the past 6 months:	
Number of samples < 20/100 mL fecal or < 100/100 mL total:	
Percentage meeting limit:	
Is this < 90%?	☐ No ☐ Yes

Source Water Turbidity

Maximum turbidity for the current month:

Turbidity values > 5 NTU in last 120 months		Turbidity > 1 NTU this month	
Date	Value	Date reported	Date	Value

Date	Value	Date reported	Date	Value

Inactivation Ratios

☐ Giardia

☐ Viruses

Are any inactivation ratios ($CT_{calc}/CT_{99.9}$) < 1.0?

☐ No

☐ Yes

	Date	peak flow (gpm)	Water Temp. (deg. C)	pH (chlorine only)	$CT_{99.9}$	CT_{calc} total	$CT_{calc}/CT_{99.9}$ inactivation ratio	$CT_{99.9}$	CT_{calc} total	$CT_{calc}/CT_{99.9}$ inactivation ratio	Total $CT_{99.9}/CT_{calc}$ inactivation ratio
Disinfectant: →											
	1										
	2										
	3										
	4										
	5										
	6										
	7										
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	9										
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